

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. (Currently amended) A rolling code responsive movable barrier operator system for controlling access to a secure area comprising:

a fingerprint communicating unit disposed outside the secure area and remote from a barrier movement operator inside the secure area, the fingerprint communicating unit comprising:

a fingerprint sensor disposed outside the secure area for generating a signal representative of a fingerprint;

a transmitter controller which combines the signal representing the fingerprint with a rolling code to provide a changing combined authorization code signal, which rolling code changes in accordance with a predetermined algorithm to produce [[a]] the changing combined authorization code encoded signal which is representative of the rolling code and the fingerprint with each encoded signal transmission;

a transmitter for emitting the changing combined authorization code encoded signal representative of a sensed fingerprint from the fingerprint sensor and the rolling code; and the barrier movement operator comprising:

a receiver inside the secure area for receiving the changing combined authorization code encoded signal representative of the rolling code and the fingerprint, the receiver having a learning mode in which a portion of the combined authorization code signal which is representative of the ~~representing~~ a fingerprint emitted by the transmitter is received by the barrier movement operator and stored in a memory thereof;

a fingerprint circuit disposed inside the secure area and responsive to the received changing combined authorization code encoded signal for decoding the portion of the changing combined authorization code encoded signal to identify the portion of the changing combined

code signal representing the [[a]] fingerprint and for determining whether the portion of the signal representing the [[a]] fingerprint is representative of an authorized user, the finger print circuit effective for receiving the changing combined authorization code signal, ~~a finger print identifying signal representative of the finger print~~, separating the portion of the received changing combined authorization code signal representative of the fingerprint ~~fingerprint~~ from the rolling code, and reading the stored signal representative of a finger print to verify authorized users;

rolling code acceptance apparatus for determining whether the rolling code is acceptable; and

a barrier operator circuit for commanding a barrier to assume a particular position when the fingerprint is determined to be from an authorized user and the rolling code is determined to be acceptable.

2. (Previously presented) A movable barrier operator system according to claim 1 wherein the fingerprint sensor comprises an optical fingerprint sensor.

3. (Previously presented) A movable barrier operator system according to claim 2 wherein the optical fingerprint sensor is an electroluminescent fingerprint sensor.

4. (Previously presented) A movable barrier operator system according to claim 2 wherein the fingerprint sensor comprises a charged coupled device for generating a signal from which the signal representative of the sensed fingerprint is produced.

5. (Previously presented) A movable barrier operator system according to claim 1 wherein the transmitter comprises a radio frequency transmitter and the signal representative of the sensed fingerprint is a radio frequency signal.

6. (Previously presented) A movable barrier operator system according to claim 1 wherein the transmitter comprises a wall control.

7. (Previously presented) A movable barrier operator system according to claim 1 further comprising a memory associated with the fingerprint sensor and the transmitter for storing information indicative of the fingerprint.

8. (Previously presented) A movable barrier operator system according to claim 1 wherein the fingerprint circuit compares a coded identification transmission for operation of the barrier operator circuit.

9.-13 (Cancel)

14. (Currently Amended) A rolling code responsive movable barrier operator system for controlling access to a secure area comprising:

a fingerprint sensor disposed outside the secure area which generates ~~for generating~~ a signal representative of a fingerprint;

a transmitter controller outside the secured area which combines the signal representing the fingerprint with a rolling code to provide a changing combined authorization code signal, which rolling code changes in accordance with a predetermined algorithm to produce ~~[[a]]~~ the changing combined authorization code ~~encoded~~ signal with each encoded signal transmission;

a transmitter outside the secured area which emits ~~for emitting~~ the changing combined authorization code ~~encoded~~ signal which changing encoded signal includes a signal representative of a sensed fingerprint from the fingerprint sensor and the rolling code;

a receiver inside the secure area which receives ~~for receiving~~ the changing combined authorization code ~~encoded~~ signal representative of the fingerprint and the rolling code, the receiver having a learning mode in which a portion of the changing combined authorization code ~~[[the]]~~ signal representing a fingerprint emitted by the transmitter is received by the receiver and stored in a memory;

a fingerprint circuit disposed inside the secure area and responsive to the received changing combined authorization code ~~encoded~~ signal which decodes for decoding the portion changing combined authorization code ~~encoded~~ signal to identify the signal representing a fingerprint and which determines for determining whether the signal representing a fingerprint is representative of an authorized user, the finger print circuit effective for receiving changing combined authorization code signal, ~~a finger print identifying signal representative of the finger print~~, separating the received combined signal representative of the fingerprint from the rolling code, and reading the stored signal representative of a finger print to verify authorized users;

rolling code acceptance apparatus inside the secured area which determines for determining whether the rolling code is acceptable; and

a barrier operator circuit inside the secured area which commands for commanding a barrier to assume a particular position when the fingerprint is determined to be from an authorized user and the rolling code is determined to be acceptable .

15. (Currently Amended) A method for controlling a moveable barrier operator, the method comprising:

generating a signal representative of a fingerprint from a fingerprint sensor disposed outside the secure area;

with a transmitter controller outside the secured area, combining the signal representing the fingerprint with a rolling code to provide a changing combined authorization code signal which includes the signal representative of the finger print and the rolling code, which rolling code changes in accordance with a predetermined algorithm to produce [[a]] the changing combined authorization code ~~encoded~~ signal which changes with each encoded signal transmission and which rolling code changes in accordance with a predetermined algorithm to produce [[a]] the changing combined authorization code ~~encoded~~ signal with each encoded signal transmission;

emitting with a transmitter outside the secured area the changing encoded combined authorization code signal representative of a sensed fingerprint from the fingerprint sensor and the rolling code;

receiving the changing combined authorization code ~~needed~~ signal representative of the fingerprint and rolling code with a receiver inside the secured area, the receiver having a learning mode in which the signal representing a fingerprint emitted by the transmitter is received by the barrier movement operator and stored in a memory;

determining whether a portion of the changing combined authorization code [[the]] signal representing a fingerprint is representative of an authorized user with a fingerprint circuit disposed inside the secure area, the finger print circuit responsive to the received changing combined authorization code ~~needed~~ signal for decoding the changing combined authorization code ~~needed~~ signal to identify the signal representing a fingerprint, the finger print circuit effective for receiving a finger print identifying signal representative of the finger print, separating the received combined signal representative of the fingerprint from the rolling code, and reading the stored signal representative of a finger print to verify authorized users;

determining whether the rolling code is acceptable with a rolling code acceptance apparatus inside the secured area; and

commanding a barrier operator to assume a particular position with a barrier operator circuit when the fingerprint is determined to be from an authorized user and the rolling code is determined to be acceptable.

16. (Previously Presented) A method according to claim 15 wherein the fingerprint sensor comprises an optical fingerprint sensor.

17. (Previously Presented) A method according to claim 16 wherein the optical fingerprint sensor is an electroluminescent fingerprint sensor.

18. (Previously Presented) A method according to claim 15 wherein the fingerprint sensor comprises a charged coupled device for generating a signal from which the signal representative of the sensed fingerprint is produced.

19. (Previously Presented) A method according to claim 15 wherein the transmitter comprises a radio frequency transmitter and the signal representative of the sensed fingerprint is a radio frequency signal.